

CERTIFICATE OF ANALYSIS

Product: Abyssinian Carrier Oil
 Lot #: 15090B10320
 Best Before: March, 2022

Store in air tight containers; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance @ 25° C:	Pale yellow to yellow transparent liquid.	Complies
Odor:	Slightly sweet, almost odorless.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.900 - 0.920 @ 20°C	0.906
Refractive Index:	1.456 - 1.475 @ 20°C	1.4738
Acid Value:	≤ 0.5 mg KOH/g	0.04
Saponification value:	160 - 175 mg KOH/g	167.96
Peroxide value:	≤ 0.8 meq/kg	0.39
Iodine Value:	85 - 95 cg/g	90.55
Erucic Acid:	50 - 65 %	57.4
Oleic Acid:	10 - 25 %	16.2
Linoleic Acid:	7 - 15 %	8.2

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.

CERTIFICATE OF ANALYSIS

Product: Abyssinian Carrier Oil

Lot #: 15090A10220

Best Before: February, 2022

Store in air tight containers; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance @ 25° C:	Pale yellow to yellow transparent liquid.	Complies
Odor:	Slightly sweet, almost odorless.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.900 - 0.920 @ 20°C	0.906
Refractive Index:	1.456 - 1.475 @ 20°C	1.4724
Acid Value:	≤ 0.5 mg KOH/g	0.06
Saponification value:	160 - 175 mg KOH/g	167.30
Peroxide value:	≤ 0.8 meq/kg	0.10
Iodine Value:	85 - 95 cg/g	94.85
Erucic Acid:	50 - 65 %	59.3
Oleic Acid:	10 - 25 %	15.7
Linoleic Acid:	7 - 15 %	7.8

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CERTIFICATE OF ANALYSIS

Product: Abyssinian Carrier Oil
Lot #: 15090A111
Best Before: December, 2021
 Store in air tight containers; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance @ 25° C:	Pale yellow to yellow transparent liquid.	Complies
Odor:	Slightly sweet, almost odorless.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.900 - 0.920 @ 20°C	Complies
Refractive Index:	1.456 - 1.475 @ 20°C	Complies
Acid Value:	≤ 0.5 mg KOH/g	Complies
Saponification value:	160 - 175 mg KOH/g	Complies
Peroxide value:	≤ 0.8 meq/kg	Complies
Iodine Value:	85 - 95 cg/g	Complies
Erucic Acid:	50 - 65 %	Complies
Oleic Acid:	10 - 25 %	Complies
Linoleic Acid:	7 - 15 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Abyssinian Carrier Oil

Lot #: 15090A101

Best Before: October, 2021

Store in air tight containers; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance @ 25° C:	Pale yellow to yellow transparent liquid.	Complies
Odor:	Slightly sweet, almost odorless.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.900 - 0.920 @ 20°C	Complies
Refractive Index:	1.456 - 1.475 @ 20°C	Complies
Acid Value:	≤ 0.5 mg KOH/g	Complies
Saponification value:	160 - 175 mg KOH/g	Complies
Peroxide value:	≤ 0.8 meq/kg	Complies
Iodine Value:	85 - 95 cg/g	Complies
Erucic Acid:	50 - 65 %	Complies
Oleic Acid:	10 - 25 %	Complies
Linoleic Acid:	7 - 15 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Abyssinian Carrier Oil
Lot #: 15090 - A11
Best Before: December, 2020
 Store in air tight containers; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance @ 25° C:	Pale yellow to yellow transparent liquid.	Complies
Odor:	Slightly sweet, almost odorless.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.900 - 0.920 @ 20°C	0.908
Refractive Index:	1.456 - 1.475 @ 20°C	1.4728
Acid Value:	≤ 0.5 mg KOH/g	0.10
Saponification value:	160 - 175 mg KOH/g	167.51
Peroxide value:	≤ 0.8 meq/kg	0.10
Iodine Value:	85 - 95 cg/g	92.35
Erucic Acid:	50 - 65 %	60.5
Oleic Acid:	10 - 25 %	15.5
Linoleic Acid:	7 - 15 %	8.2

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CERTIFICATE OF ANALYSIS

Product: Abyssinian Carrier Oil
Lot #: 15090 - A10
Best Before: October, 2020
 Store in air tight containers; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance @ 25° C:	Pale yellow to yellow transparent liquid.	Complies
Odor:	Slightly sweet, almost odorless.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.900 - 0.920 @ 20°C	0.907
Refractive Index:	1.456 - 1.475 @ 20°C	1.4730
Acid Value:	≤ 0.5 mg KOH/g	0.12
Saponification value:	160 - 175 mg KOH/g	166.90
Peroxide value:	≤ 0.8 meq/kg	0.30
Iodine Value:	85 - 95 cg/g	92.38
Erucic Acid:	50 - 65 %	59.4
Oleic Acid:	10 - 25 %	15.9
Linoleic Acid:	7 - 15 %	8.4

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